



Sheet 1 of 11

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-1750/302726.01	Application No. 10/646,940
		Applicant J. Patrick Thompson, et al.	
		Filing Date August 21, 2003	Group 2168
		Confirmation No. 1753	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CL	14	Andrews, T. et al., "Combining Language and Database Advances in an Object-Oriented Development Environment", <i>OOPSLA Proceedings</i> , October 4-8, 1987, 430-440	
CL	15	Beard, et al., "Multilevel and Graphical Views of Metadata", <i>Research and Technology Advances in Digital Libraries</i> , 1998, 256-265,	
CL	16	Beitner, N.D. et al., "Multimedia Support and Authoring in Microcosm: An Extended Model", <i>Department of Electronics and Computer Science</i> , University of Southampton, 12 pages	
CL	17	Berg, C., How Do I Create Persistent Java Objects? <i>Dr. Dobb's Journal</i> , 1997, 22(4), 98-101	
CL	18	Bhattacharya, S. et al., "Coordinating Backup/Recovery and Data Consistency Between Database and File Systems", <i>International Conference on Management of Data and Symposium on Principles of Database Systems, Proceedings of the 2002 ACM SIGMOD International Conference on Management of Data</i> , 2002, 500-511	
CL	19	Biliris, A., "The Performance of Three Database Storage Structures for Managing Large Objects", <i>ACM SIGMOD</i> , 1992, 276-285	
CL	20	Booch, G. Benjamin/Cummings Publishing Co, "Object-Oriented Analysis and Design with Applications", 1994, 155, 156, 179-183	
CL	21	Bracchi et al., "Binary Logical Associations in Data Modelling", <i>Modelling in Data Base Management Systems G.M. Nijssen, (ed); North Holland Publishing Company</i> : 1976, 125-147	
CL	22	Buneman, P. et al., Inheritance and Persistence in Database Programming Languages, <i>ACM</i> , 1986, 4-15	
CL	23	Chien, A.A., "Concurrent Aggregates (CA) – Design and Experience with a Concurrent Object – Oriented Language Based on Aggregates", <i>J. Parallel and Distributed Computing</i> , 1995, 25(2), 174-196	
EXAMINER		/Cheyne Ly/	DATE CONSIDERED 11/13/2006

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-1750/302726.01	Application No. 10/646,940
		Applicant J. Patrick Thompson, et al.	
		Filing Date August 21, 2003	Group 2168
		Confirmation No. 1753	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CL	24	Chrysostomidis, Chrysosimos, et al. "Geometric Modeling Issues in Computer Aided Design of Marine Structures", <i>MTS Journal</i> , 22(2) pp 15-33	
CL	25	"Computervision Launches Design Automation Development Platform for Windows", <i>PR Newswire</i> , Financial News, Jan. 10, 1995	
CL	26	Darby, C., "Object Serialization in Java 1.1. Making Objects Persistent, <i>WEB Techniques</i> , 1997, 2(9), 55, 58-59	
CL	27	"Developer's Guide to Apple Data Detectors-For Version 1.0.2", ©Apple Computer, Inc., 1997, 1-34	
CL	28	Dietrich, Walter C., Jr., et al., "TGMS: An Object-Oriented System for Programming Geometry", <i>Software-Practice and Experience</i> , Oct 1989, 19(10), 979-1013	
CL	29	Dobashi, Y. et al, "Skylight for Interior Lighting Design", <i>Computer Graphics Forum</i> , 1994, 13(3), C85-C96	
CL	30	Dorsch, Jeff, "Accel Signs with IBM to Buy Altium PCB Unit-Accel Technologies Acquires the Assets to Altium's P-CAD Business Unit", <i>EDA Licensing, Electronic New</i> , Jan.16, 1995, 4 pages	
CL	31	Fegaras, Leonidas, "Optimizing Object Queries Using an Effective Calculus", <i>ACM Transactions on Database Systems</i> , Dec 2000, 25(4), 457-516	
CL	32	Findler, R.B. et al., Contract Soundness for Object-Oriented Languages ACM Conference on Object-Oriented Programming Systems, Languages, and Applications, <i>OOPSLA</i> , 2001, 15 pages	
CL	33	Foley et al., Computer Graphics: Principles and Practices, Second Edition, Addison-Wesley Publishing Company, 1990, Ch. 5 and 9, pp. 201-283	
EXAMINER		/Cheyne Ly/	DATE CONSIDERED 11/13/2006

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-1750/302726.01	Application No. 10/646,940
		Applicant J. Patrick Thompson, et al.	
		Filing Date August 21, 2003	Group 2168
		Confirmation No. 1753	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CL	34	Friis, A.-Christensen, et al. "Geographic Data Modeling: Requirements and Research Issues in Geographic Data Modeling," November 2001, <i>Proceedings of the 9th ACM International Symposium on Advances in Geographic Information Systems</i>, 2-8	
CL	35	Fuh, Y-C. et al, "Implementation of SQL3 Structured Types with Inheritance and Value Substitutability", <i>Digital Symposium Collection</i> , 2000 , Abstract only, 2 pages, www.acm.org/sigmod/disc/p_implementationoyostw.htm	
CL	36	Garret, J.H., Jr. et al, "An Object Oriented Environment for Representing Building Design and Construction Data", <i>Advanced Construction Technology Center</i> , June 1989 , Document No. 89-37-04, 1-34	
CL	37	Godoy Simões, M. et al, "A RISC-Microcontroller Based Photovoltaic System for Illumination Applications", <i>APEC 2000. Fifteenth Annual IEEE Applied Power Electronics Conference and Exposition</i> , February 6-10, 2000 , 2, 1151-1156	
CL	38	Goscinski, A. "Distributed Operating Systems The Logical Design", <i>Addison-Wesley</i> , 1991 , 306-313	
CL	39	Harrison, C.J. et al., "Structure Editors: User-Defined Type Values and Type Inference", <i>IEEE</i> , 2000 , 241-247	
CL	40	Haverlock, K., "Object Serialization, Java, and C++", <i>Dr. Dobbs's Journal</i> , 1998 , 23(8), 32, 34, 36-37	
CL	41	Hay, David C, "Data Model Patterns: Convention of Thought", (Dorset House Publishing, New York, NY 1996 , 47-67, 235-259	
CL	42	Hernandez, M.A. et al, "The Merge/Purge Problem for Large Databases, International Conference on Management of Data and Symposium on Principles of Database Systems", <i>Proceedings of the 1995 ACM SIGMOD International Conference on Management of Data</i> , 1995 , 127-138	
CL	43	Hsiao, H.I. et al., "DLFM: A Transactional Resource Manager", <i>SIGMOD, Proceedings of the 2000 ACM SIGMOD International Conference on Management of Data</i> , 2000 , 518-528	
EXAMINER		/Cheyne Ly/	DATE CONSIDERED 11/13/2006

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-1750/302726.01	Application No. 10/646,940
		Applicant J. Patrick Thompson, et al.	
		Filing Date August 21, 2003	Group 2168
		Confirmation No. 1753	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CL	44	Kaneko, K, et al, "Design of 3D CG Data Model of Move Animation Database System", <i>Advanced Database Research and Development Series, vol. 3, Proceedings of the Second Far-East Workshop On Future Database Systems, 1992</i> , 364-372	
CL	45	Kaneko, K. et al., Towards Dynamics Animation on Object-Oriented Animation Database System Move", <i>Advanced Database Research and Development Series, vol. 4, Database Systems for Advanced Applications 1993</i> , 3-10	
CL	46	Katz, R.H., "Toward a Unified Framework for Version Modeling in Engineering Databases", <i>ACM Computing Surveys, 1990, 22(4)</i> , 375-408	
CL	47	Kawabe, S. et al, "A Framework for 3D Modeling Constraint-Based Description and Non-Manifold Geometric Modeling", <i>A Collection of Contributions based on Lectures Presented at the 2d Toyota Conference, Organization of Engineering Knowledge for Product Modelling in Computer Integrated Manufacturing, Japan, Oct. 2-5, 1988</i> , 325-357	
CL	48	Kempfer, L., "CAD Jumps on Windows 3.1 Bandwagon", <i>Computer Aided Engineering, 1993</i> , 24-25	
CL	49	Khan, L. et al, "A Performance Evaluation of Storing XML Data in Relational Database Management Systems, <i>WIDM, 2001</i> , 31-38	
CL	50	Khoshafian, S. et al, "Object Identify", <i>OOPSLA'86, 1986</i> , 21, 406-416	
CL	51	Kiesling, R., "ODBC in UNIX Environments", <i>Dr. Dobb's Journal, December 2002, 27(12)</i> , 16-22	
CL	52	King et al, "TriStarp- An Investigation into the Implementation and Exploitation of Binary Relational Storage Structures", <i>Proc. 8.sup.th BNCOD(British National Conference On Data Bases)</i> , pp. 64-84 (York 1990).	
CL	53	Krouse, J.K., "Geometric Models for CAD/CAM", <i>Machine Design, July 24, 1990</i> , 99-105	
CL	54	LeBlanc, Andrew R., et al, "Design Data Storage and Extraction Using Objects", <i>Concurrent Engineering: Research and Applications, 1993, 1</i> , 31-38	
EXAMINER		/Cheyne Ly/	DATE CONSIDERED 11/13/2006

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-1750/302726.01	Application No. 10/646,940
		Applicant J. Patrick Thompson, et al.	
		Filing Date August 21, 2003	Group 2168
		Confirmation No. 1753	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CL	55	Leontiev, Y. et al, "On Type Systems for Object-Oriented Database Programming Languages", <i>ACM Computing Surveys</i> , December 2002 , 34(4), 409-449	
CL	56	Lim, J.B. et al, "Transaction Processing in Mobile, Heterogeneous Database Systems", <i>IEEE Trans. on Knowledge and Data Engineering</i> , 2002 , 14(6), 1330-1346	
CL	57	Mallet, S. et al., "Myrtle: A Set-Oriented Meta-Interpreter Driven by a Relational Trace for Deductive Databases Debugging", <i>Lecture Notes in Computer Science</i> , 1999 , 1559, 328-330	
CL	58	Mariani, J. A., Oggetto: "An Object Oriented Database Layered on a Triple Store", <i>The Computer Journal</i> , 1992 , 35(2), 108-118	
CL	59	McMahon, L.E, "SED-A Non-Interactive Text Editor", Bell Laboratories, August 15, 1978 , 10 pages	
CL	60	"Mechanical Design Software (Buyers Guide)", <i>Computer-Aided Engineering</i> , Dec 1993 , 12(12), 32-36	
CL	61	Melton, J. et al, "SQL and Management of External Data", <i>SIGMOD Record</i> , March 2001 , 30(1), 70-77	
CL	62	Mitchell, W.J., "The Logic of Architecture", <i>Massachusetts Institute of Technology</i> , 1990 , 139-143	
CL	63	Navathe, S.B., "Evolution of Data Modeling for Databases," <i>Communications of the ACM</i> , September 1992 , 35(9), 112-123	
CL	64	Nelson, M. et al, "Generic Support for Caching and Disconnected Operation", <i>4th Workshop on Workstation Operating Systems</i> , Oct 1993 , 61-65	
EXAMINER		/Cheyne Ly/	DATE CONSIDERED 11/13/2006

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-1750/302726.01	Application No. 10/646,940
		Applicant J. Patrick Thompson, et al.	
		Filing Date August 21, 2003	Group 2168
		Confirmation No. 1753	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CL	65	Nijssen, G.M. et al., "Conceptual Schema and Relational Database Design, A Fact Oriented Approach", <i>Department of Computer Science, University of Queensland, Prentice Hall</i> , 10-33, 42-43, 48-51, 156-170	
CL	66	Oracle 9i SQL Reference, Release 2 (9.2), March 2002 , 13-89 to 13-90	
CL	67	Orenstein, J, et al, "Query Processing in the Object Store Database System", <i>ACM SIGMOD International Conference on Management of Data</i> , June 1992 , 21(2), 403-412	
CL	68	Ottogalli, F.G. et al., "Visualisation of Distributed Applications for Performance Debugging", <i>Lecture Notes in Computer Science</i> , January 2001 , 2074, 831-840	
CL	69	Pachet, et al, "A Combinatorial Approach to Content-Based Music Selection", <i>Multimedia Computing and Systems</i> , Jun 7, 1999 , 457-462	
CL	70	Papiani, M. et al, "A Distributed Scientific Data Archive Using the Web, XML and SQL/MED", <i>SIGMOD Record</i> , September 1999 , 28(3), 56-62	
CL	71	Powell, M., "Object, References, Identifiers, and Equality White Paper", (Jul. 2, 1993), <i>OMG TC Document 93.7.5</i> , 1-24	
CL	72	Prosise, J., "2-D Drafting: Why Pay More?", <i>PC Magazine: The Independent Guide to IBM-Standard Personal Computing</i> , 1993 , 12(4), 255-289	
CL	73	Reiner, A. et al., "Benefits of X-based Three-Tier Client/Server Model with ESRI Applications", <i>Virtual Solutions</i> , 1995 , 9 pages	
CL	74	Read, III, B.C., "Developing the Next Generation Cockpit Display System", <i>IEEE Aerospace and Electronics Systems Magazine</i> , 1996 , 11(10), 25-28	
EXAMINER		/Cheyne Ly/	DATE CONSIDERED 11/13/2006

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-1750/302726.01	Application No. 10/646,940
		Applicant J. Patrick Thompson, et al.	
		Filing Date August 21, 2003	Group 2168
		Confirmation No. 1753	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CL	75	Rouse, N.E., "CAD Pioneers are Still Trailblazing", <i>Machine Design</i> , Oct. 22, 1987, 59(25), 117-122	
CL	76	Roussopoulos, N. et al., "Using Semantic Networks for Data Base Management", <i>Proceedings of the 1st Supplemental VLDB Conference</i> , 1975, 144-172	
CL	77	Santos, J.L.T. et al., "Computer Aided Mechanical Engineering Design Environment for Concurrent Design Process", <i>Proceedings of the 1993 ITEC Workshop on Concurrent Engineering</i> , May 4-6, 1993, Simulation in Concurrent Engineering, 71-83	
CL	78	Seshadri, P., "Enhanced Abstract Data Types in Object-Relational Databases", <i>The VLDB Journal, The International Journal on Very Large Databases</i> , 1998, 7, 130-140	
CL	79	Simon, A.R., <i>Strategic Database Technology: Management for the Year 2000</i> , 1995, pp 6-9, 14-17, 55-57, Morgan Kaufmann Publishers	
CL	80	Sreenath, N., "A Hybrid Computation Environment for Multibody Simulation", <i>Mathematics and Computers in Simulation</i> , 1992, 121-140	
CL	81	Singhal, A. et al., "DDB: An Object Design Data Manager for VLSI CAD", <i>Association for Computer Machinery</i> , 1993, 467-470	
CL	82	Stevens, T., "Value in 3-D", <i>Industry Week</i> , January 8, 1995, 45-46	
CL	83	Stonebraker, M., "The Case for Partial Indexes", <i>SIGMOD Record</i> , 1989, 18(4), 4-9	
CL	84	Strickland, T.M., "Intersection of Relational and Object", <i>Proceedings of the AM/FM International Conference XVII</i> , March 14-17, 1994, 69-75	
EXAMINER		/Cheyne Ly/	DATE CONSIDERED 11/13/2006

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-1750/302726.01	Application No. 10/646,940
		Applicant J. Patrick Thompson, et al.	
		Filing Date August 21, 2003	Group 2168
		Confirmation No. 1753	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CL	85	Sutherland, J. et al., "The Hybrid Object-Relational Architecture (HORA), An Integration of Object-Oriented and Relational Technology", <i>Applied Computing: States of the Art and Practice</i> , 1993, 326-333	
CL	86	Suzuki, H. et al., "Geometric Modeling for Modeling Products", <i>Proceedings of the Third international Conference on Engineering Graphics and Descriptive Geometry</i> , July 11-16, 1988, Vienna Austria, 2, 237-243	
CL	87	Sreekanth, U. et al., "A Specification Environment for Configuring a Discrete-Part Manufacturing System Simulation Infrastructure", <i>International Conference on Systems, Man and Cybernetics</i> , October 17-20, 1993, 1, 349-354	
CL	88	Taylor, R.H. et al., "An Integrated Robot System Architecture", <i>Proceedings of the IEEE</i> , July 1983, 71(7), 842-856	
CL	89	Varlamis I. et al., "Bridging XML-Schema and Relational Databases. A System for generating and Manipulating Relational Databases using Valid XML Documents", <i>DocEng' 01</i> , November 9-10, 2001	
CL	90	Wilcox, J., "Object Databases-Object Methods in Distributed Computing", <i>Dr. Dobbs Journal</i> , November 1994, 19(13), 26-34	
CL	91	Watanabe, S., "Knowledge Integration for Architectural Design", <i>Knowledge-Based Computer-Aided Architectural Design</i> , 1994, 123-146	
CL	92	Waugh, A., "Specifying Metadata Standards for Metadata Tool Configuration", <i>Computer Networks and ISDN Systems</i> , 1998, 30, 23-32	
CL	93	Wold, E. et al., "Content-Based Classification, Search, and Retrieval of Audio", <i>IEEE Multimedia</i> , <i>IEEE Computer Society</i> , 1996, 3, 27-36	
CL	94	Yoshikawa, M. et al., "XRel: A Path-Based Approach to Storage and Retrieval of XML Documents Using Relational Databases", <i>ACM Transactional on Internet technology</i> , August 2001, 1(1), 110-141	
EXAMINER		/Cheyne Ly/	DATE CONSIDERED 11/13/2006

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office				Docket No. MSFT-1750/302726.01		Application No. 10/646,940	
				Applicant J. Patrick Thompson, et al.			
				Filing Date August 21, 2003		Group 2168	
				Confirmation No. 1753			
U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
CL	95	5,893,106	04/06/99	Brobst, et al.	707	102	
CL	96	6,085,192	07/04/00	Mendez, et al.	707	10	
CL	97	6,151,606	11/21/00	Mendez	707	201	
CL	98	6,708,221 B1	03/16/04	Mendez, et al.	709	248	
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Translation		
					YES	NO	
CL	99	WO 02/075539 A2	09/26/02	PCT			
EXAMINER /Cheyne Ly/				DATE CONSIDERED		11/13/2006	

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-1750/302726.01	Application No. 10/646,940
		Applicant J. Patrick Thompson, et al.	
		Filing Date August 21, 2003	Group 2168
		Confirmation No. 1753	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CL	100	Mazzola Paluska, J. et al., "Footloose: A Case for Physical Eventual Consistency and Selective Conflict Resolution", <i>Proceedings of the 5th IEEE Workshop on Mobile Computing Systems and Applications</i> , 2003 , 170-179	
CL	101	Huang, Yun-Wu. Et al., "Lightweight Version Vectors for Pervasive Computing Devices", <i>IEEE</i> , 2000 , 43-48	
CL	102	Ramsey, N. et al., "An Algebraic Approach to File Synchronization", <i>Software Engineering Notes, Association for Computing Machinery</i> , September 2001 , 26(5), 175-185, XP002295139	
CL	103	Gray, J. et al., "The Dangers of replication and a Solution", <i>SIGMOD</i> , 1996 , 25(2), 173-182, XP-002146555	
CL	104	Helal, S. et al., "A Three-tier Architecture for Ubiquitous Data Access", <i>Computer Systems and Applications ACS/IEEE</i> , June 2001 , 177-180, XP010551207	
CL	105	Kistler, J.J. et al., "Disconnected Operation in the Coda File System", <i>ACM Transactions on Computer Systems</i> , February 1992 , 10(1), 3-25, XP000323223	
CL	106	Kistler, J.J. et al., "Increasing File System Availability through Second-Class Replication", <i>IEEE</i> , 1990 , 65-69, XP010021244	
CL	107	"SyncML Sync Protocol", 2000 , Version 1.0, 60 pages, http://www.syncml.org/docs/syncml_protocol_v10_20001207.pdf	
CL	108	Seshadri, P. et al., "SQLServer for Windows Ce-a Database Engine for Mobile and Embedded Platforms", <i>Data Engineering, Proceedings of the 16th International Conference, IEEE Computer Society</i> , March 2000 , 642-644, XP 010378761	
CL	109	Berenson, H. "A Critique of ANSI SQL Isolation Levels", <i>SIGMOD RECORD</i> , 1995 , 24(2), 10 pages	
EXAMINER		/Cheyne Ly/	DATE CONSIDERED 11/13/2006

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-1750/302726.01	Application No. 10/646,940
		Applicant J. Patrick Thompson, et al.	
		Filing Date August 21, 2003	Group 2168
		Confirmation No. 1753	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CL	110	Greenwald, R. et al., "Oracle Essentials: Oracle 8 & Oracle 8i", <i>MultiUser Concurrency</i> , 1999, Ch. 7, 7 pages, XP-002312028	
CL	111	Plattner, C. et al., "Ganymed: Scalable Replication for Transactional Web Applications", <i>IFIP International federation for Information Processing</i> , 2004, 155-174, XP-002370197	
CL	112	Shapiro, M. et al., "Managing Databases with Binary Large Objects", <i>IEEE</i> , 1999, 185-193, XP-000922048	
EXAMINER		/Cheyne Ly/	DATE CONSIDERED 11/13/2006